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(54) HARD WOOD-PIECE CEMENT BOARD

(57) Abstract:

PROBLEM TO BE SOLVED: To prepare a hard cement board having improved water-permeation resistance and free from a danger of the occurrence of warp by subjecting a mixture of a cement composition containing a water repellent, small pieces of wood and water to a pressure forming process and curing the formed material by heat under pressure.

SOLUTION: This hard wood-piece cement board is produced by subjecting a mixture of a cement composition containing a water repellent, finely fragmented wood pieces and water to pressure forming into a specified shape and curing the formed material by heat under pressure. A water-repellent content in the cement composition is preferably 0.4-2.0wt.%. A metal soap such as calcium stearate or aluminum stearate is cited as an example of the water repellent. The cement composition is preferably composed of a heat-curing component mainly containing alumina cement, anhydrous gypsum and/or hemihydrate gypsum, portland cement and a water repellent.